

N2XCKBr2Y 1 X (300 - 2000) mm² 87/150 (170) kV

Cu / XLPE / CWS / LS / Br / HDPE

(Copper Conductor, XLPE Insulated, Copper Wire Screen, Lead Sheathed, HDPE Separation Sheathed, Brass Tape, HDPE Sheathed)

Standard Specification : IEC 60840 : 2011

Application :

Power Cable : used in the underground transmission lines between two sub station units of an electricity grid, transformer of a generator unit to indoor or outdoor sub station. These Insulated cable circuits may also be used in conjunction with overhead lines.

Conductor Shape

300 - 800 sqmm supplied in compacted circular stranded (cm) conductor shape

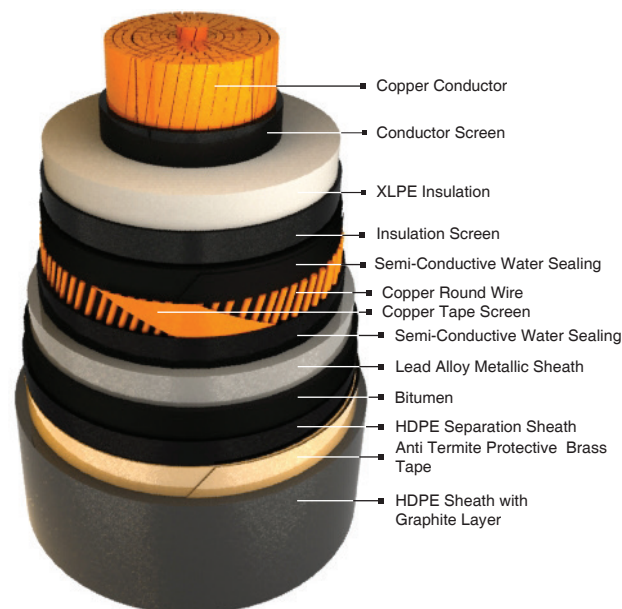
1000 - 2000 sqmm supplied in segmented compress stranded (sc) conductor shape

Short Circuit Capacity

Screen short circuit capacity will be submitted upon request

Construction Data

Nom. Cross Section Area	Thickness				Overall Diameter	Cable Weight
	Conductor Screen	Insulation	Insulation Screen	Outer Sheath		
	Nom.	Nom.	Nom.	Nom.		
mm ²	mm	mm	mm	mm	mm	kg/km
300	1.3	18.0	1.3	3.7	93	18,421
400	1.3	18.0	1.3	3.8	96	19,951
500	1.3	18.0	1.3	3.9	100	21,928
630	1.3	18.0	1.3	4.0	101	23,668
800	1.3	18.0	1.3	4.1	105	25,415
1000	1.5	18.0	1.3	4.2	113	29,537
1200	1.5	18.0	1.3	4.4	118	33,397
1600	1.5	18.0	1.3	4.6	126	39,495
2000	1.5	18.0	1.3	4.8	134	44,347



Electrical Data

Conductor		Capacitance	Current - Carrying Capacity at 30° C *			
			In Ground		In Air	
			Trefoil Max.	Flat (s=1D) Max.	Trefoil Max.	Flat (s=1D) Max.
Nom. Cross Section (mm ²)	DC Resistance at 20°C Max (Ω/km)	Per Phase Max. (μF/km)	(A)	(A)	(A)	(A)
300	0.0601	0.150	584	603	744	821
400	0.0470	0.160	661	688	852	946
500	0.0366	0.173	746	783	976	1093
630	0.0283	0.194	839	890	1114	1263
800	0.0221	0.209	930	1001	1255	1440
1000	0.0176	0.238	1024	1121	1416	1654
1200	0.0151	0.252	1079	1195	1511	1782
1600	0.0113	0.282	1183	1335	1689	2027
2000	0.0090	0.302	1262	1448	1834	2230

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information